| Ref<br># | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|---|---------------------|---------|------------------|
| L1       | 23   | (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write) near8 (cache or non-volatile or flash)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/09/20 07:48 |
| L2       | 316  | ((hard drive or hard dis? or hd or hdd) near6 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near6 (cache or non-volatile or flash or ???ROM or persistant memory)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/09/20 07:48 |
| L3       | 15   | (power\$3 down or power\$3-down<br>or spin\$4-down or spin\$4 down or<br>spun-down or spun down) and L2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/09/20 07:48 |
| L4       | 12   | L3 not L1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/09/20 07:48 |
| L5       | 18   | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) same power\$3              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/09/20 07:48 |
| L6       | 38   | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) and (360/????? or 711/???) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON .    | 2007/09/20 07:48 |
| L7       | 4    | ((hard drive or hard dis? or hd or<br>hdd) near4 (access\$3 or transaction<br>or read or write)) with (complet\$3<br>or handl\$3 or servic\$3 or execut\$3<br>or perform\$3) with (non-volatile<br>cache or nvc)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2007/09/20 07:48 |



| L8    | 11    | ((hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)) with (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) with (non-volatile cache or nvc or nvm or non-volatile memory or non volatile memory) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 07:48 |
|-------|-------|---|---|-------|----|------------------|
| L9    | 1411  | 711/113.ccls.   | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L10 , | 38806 | (power\$3 down or power\$3-down<br>or spin\$4-down or spin\$4 down or<br>spun-down or spun down)  | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L11   | 86    | L9 and L10  | US-PGPUB;<br>USPAT  | ADJ . | ON | 2007/09/20 07:48 |
| L12   | 39    | (power adj2 state) and L9   | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L13   | 21    | L12 not L11   | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L14   | 4     | L11 and intel.as.   | US-PGPUB;<br>USPAT  | ADJ . | ON | 2007/09/20 07:48 |
| L15   | 316   | ((hard drive or hard dis? or hd or hdd) near6 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near6 (cache or non-volatile or flash or ???ROM or persistant memory)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 07:48 |
| L16   | 15    | (power\$3 down or power\$3-down<br>or spin\$4-down or spin\$4 down or<br>spun-down or spun down) and L15  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ . | ON | 2007/09/20 07:48 |
| L17   | 38806 | (power\$3 down or power\$3-down or spin\$4-down or spun-down or spun down)  | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L18   | 1411  | 711/113.ccls.   | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L19   | 86    | L18 and L17   | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L20   | 39    | (power adj2 state) and L18  | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L21   | 21    | L20 not L19   | US-PGPUB;<br>USPAT  | ADJ . | ON | 2007/09/20 07:48 |

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|-------|----|---|---|-------|------|------------------|
| L22   | 23 | (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write) near8 (cache or non-volatile or flash)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 07:48 |
| L23   | 18 | ((hard drive or hard dis? or hd or<br>hdd) near4 (access\$3 or transaction<br>or read or write)) near6 (complet\$3<br>or handl\$3 or servic\$3 or execut\$3<br>or perform\$3) near4 (cache or<br>non-volatile or flash or ???ROM or<br>persistant memory) same power\$3         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ . | ON   | 2007/09/20 07:48 |
| L24   | 12 | L16 not L22   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 07:48 |
| L25 . | 38 | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) and (360/????? or 711/???)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 08:04 |
| L26   | 4  | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) with (non-volatile cache or nvc)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 07:48 |
| L27   | 11 | ((hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)) with (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) with (non-volatile cache or nvc or nvm or non-volatile memory or non volatile memory) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 07:48 |
| L28   | 4  | L19 and intel.as.   | US-PGPUB;<br>USPAT  | ADJ   | ON . | 2007/09/20 07:48 |



| L29 | 37   | (711/112.ccls. or 711/113.ccls.) and (713/3??.ccls.)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/20 08:03 |
|-----|------|--|--|-----|----|------------------|
| L30 | 4    | (hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun) with (read\$3 or access\$3) with threshold  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/20 07:48 |
| L31 | 23   | ((hd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun) with (read\$3 or access\$3)).ab.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/20 07:48 |
| L32 | 24   | ((hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (power\$3 or spin\$3 or spun) with (read\$3 or access\$3)).ab.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/20 07:48 |
| L33 |      | (power\$3 or spin\$3 or spun) near6 (hd or hdd or hard drive or dis?) with (cache or buffer or nvc) with (time or duration) with (read\$3 or access\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/09/20 07:48 |
| L34 | 1411 | 711/113.ccls.  | US-PGPUB;<br>USPAT   | ADJ | ON | 2007/09/20 07:48 |
| L35 | 39   | (power adj2 state) and L34   | US-PGPUB;<br>USPAT   | ADJ | ON | 2007/09/20 07:48 |
| L36 | 23   | (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write) near8 (cache or non-volatile or flash) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ | ON | 2007/09/20 08:07 |

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|-----|-------|--|---|-------|----|------------------|
| L37 | 316   | ((hard drive or hard dis? or hd or hdd) near6 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near6 (cache or non-volatile or flash or ???ROM or persistant memory) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 07:48 |
| L38 | 15    | (power\$3 down or power\$3-down<br>or spin\$4-down or spin\$4 down or<br>spun-down or spun down) and L37   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 07:48 |
| L39 | 12    | L38 not L36  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ . | ON | 2007/09/20 07:48 |
| L40 | 38806 | (power\$3 down or power\$3-down or spin\$4-down or spun-down)  | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L41 | 86    | L34 and L40  | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L42 | 21    | L35 not L41  | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L43 | 4     | L41 and intel.as.  | US-PGPUB;<br>USPAT  | ADJ . | ON | 2007/09/20 07:48 |
| L44 | 316   | ((hard drive or hard dis? or hd or hdd) near6 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near6 (cache or non-volatile or flash or ???ROM or persistant memory) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 07:48 |
| L45 | 15    | (power\$3 down or power\$3-down<br>or spin\$4-down or spin\$4 down or<br>spun-down or spun down) and L44   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 07:48 |
| L46 | 38806 | (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down)  | US-PGPUB;<br>USPAT  | ADJ . | ON | 2007/09/20 07:48 |
| L47 | 1411  | 711/113.ccls.  | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |
| L48 | 86    | L47 and L46  | US-PGPUB;<br>USPAT  | ADJ   | ON | 2007/09/20 07:48 |



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|-------|----|---|---|-------|------|------------------|
| L49   | 39 | (power adj2 state) and L47  | US-PGPUB;<br>USPAT  | ADJ   | ON   | 2007/09/20 07:48 |
| L50   | 21 | L49 not L48   | US-PGPUB;<br>USPAT  | ADJ   | ON   | 2007/09/20 07:48 |
| L51   | 23 | (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write) near8 (cache or non-volatile or flash)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 08:09 |
| L52   | 18 | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) same power\$3                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 07:48 |
| L53   | 12 | L45 not L51   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ . | ON · | 2007/09/20 07:48 |
| L54   | 38 | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) and (360/????? or 711/???)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 07:48 |
| L55 . | 4  | ((hard drive or hard dis? or hd or<br>hdd) near4 (access\$3 or transaction<br>or read or write)) with (complet\$3<br>or handl\$3 or servic\$3 or execut\$3<br>or perform\$3) with (non-volatile<br>cache or nvc)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 07:48 |
| L56   |    | ((hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)) with (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) with (non-volatile cache or nvc or nvm or non-volatile memory or non volatile memory) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON   | 2007/09/20 07:48 |
| L57   | 4  | L48 and intel.as.   | US-PGPUB;<br>USPAT  | ADJ   | ON   | 2007/09/20 07:48 |

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| L58 | 11  | ((hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)) with (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down) with (non-volatile cache or nor volatile cache or nor volatile memory or non volatile memory) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ   | ON | 2007/09/20 07:48 |
|-----|-----|---|--|-------|----|------------------|
| L59 | 18  | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) same power\$3                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ   | ON | 2007/09/20 07:48 |
| L60 | 38  | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory) and (360/????? or 711/???)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ   | ON | 2007/09/20 08:08 |
| L61 | 4   | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) with (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) with (non-volatile cache or nvc)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ   | ON | 2007/09/20 07:48 |
| L64 | 20  | (711/112.ccls. or 711/113.ccls.) and (713/320.ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 08:03 |
| L65 | 200 | ((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ   | ON | 2007/09/20 08:06 |
| L66 | 8   | (((hard drive or hard dis? or hd or hdd) near4 (access\$3 or transaction or read or write)) near6 (complet\$3 or handl\$3 or servic\$3 or execut\$3 or perform\$3) near4 (cache or non-volatile or flash or ???ROM or persistant memory)).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | ADJ . | ON | 2007/09/20 08:06 |

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| L67 |      | ((power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down) near8 (hard drive or hard dis? or hd or hdd) with (access\$3 or transaction or read or write)).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 08:07 |
|-----|------|--|---|-------|----|------------------|
| L68 |      | ((hard drive or hard dis? or hd or hdd)).clm. and 713/320.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 08:08 |
| L69 | 3609 | (power\$3 down or power\$3-down or spin\$4-down or spin\$4 down or spun-down or spun down).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ . | ON | 2007/09/20 08:09 |
| L70 | . 8  | 69 and 68  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ   | ON | 2007/09/20 08:09 |

